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1 Featherweight Firefox: formalizing the core of a web browser

Aaron Bohannon, Benjamin C. Pierce

June 2010   **WebApps'10:** Proceedings of the 2010 USENIX conference on Web application development

Publisher: USENIX Association

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a,   Citation Count: 0

We offer a formal specification of the core functionality of a web browser in the form of a small-step operational semantics. The specification accurately models the asynchronous nature of web browsers and covers the basic aspects of windows, DOM trees, ...

2 Communications of the ACM: Volume 52 Issue 12

December 2009   Communications of the ACM

Publisher: ACM

Full text available: Digital Edition , Pdf (7.37 MB)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 30, Downloads (Overall): 30,   Citation Count: 0

3 End-user privacy in human-computer interaction

Giovanni Iachello, Jason Hong

January 2007   **Foundations and Trends in Human-Computer Interaction** , Volume 1 Issue 1

Publisher: Now Publishers Inc.

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a,   Citation Count: 12

The purpose of this article is twofold. First, we summarize research on the topic of privacy in Human-Computer Interaction (HCI), outlining current approaches, results, and trends. Practitioners and researchers can draw upon this review when working ...

4 Communications of the ACM: Volume 51 Issue 6

June 2008   Communications of the ACM

Publisher: ACM

Full text available: Digital Edition , Pdf (8.89 MB)

Bibliometrics: Downloads (6 Weeks): 62, Downloads (12 Months): 62, Downloads (Overall): 3084,   Citation Count: 0

5 Compiling cryptographic protocols for deployment on the web

Jay A. McCarthy, Shriram Krishnamurthi, Joshua D. Guttman, John D. Ramsdell

May 2007   **WWW '07:** Proceedings of the 16th international conference on World Wide Web

Publisher: ACM

Full text available: Pdf (175.83 KB)

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 27,   Downloads (Overall): 222,   Citation Count: 1

Cryptographic protocols are useful for trust engineering in Web transactions. The Cryptographic Protocol Programming Language (CPPL) provides a model wherein trust management annotations are attached to protocol actions, and are used to constrain the ...

Keywords: CPPL, HTTP, cryptographic protocols, sessions

6 Captcha-free throttling

Markus Jakobsson

November 2009   **AISec '09:** Proceedings of the 2nd ACM workshop on Security and artificial intelligence

Publisher: ACM   Request Permissions

Full text available: Pdf (404.31 KB)

Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 188,   Downloads (Overall): 202,   Citation Count: 0

We argue that the CAPTCHA in its current incarnation may be near the end of its useful life, and propose an alternative throttling mechanism to control access to web resources. We analyze our proposed solution against a collection of realistic adversaries ...

Keywords: access, captcha, cloning, cookie theft, dns poisoning, malware, scripting, throttle, usability

7 What DNS is not

Paul Vixie

December 2009   **Communications of the ACM** , Volume 52 Issue 12

Publisher: ACM   Request Permissions

Full text available: Digital Edition , Html (26.55 KB), Pdf (4.28 MB)

Bibliometrics: Downloads (6 Weeks): 100,   Downloads (12 Months): 2287,   Downloads (Overall): 2777,   Citation Count: 0

DNS is many things to many people---perhaps too many things to too many people.

8 What DNS is Not

Paul Vixie

November 2009   **Queue** , Volume 7 Issue 10

Publisher: ACM   Request Permissions

Full text available: Html (19.25 KB), Pdf (149.87 KB)

Bibliometrics: Downloads (6 Weeks): 1413,   Downloads (12 Months): 25012,   Downloads (Overall): 53806,   Citation Count: 0

DNS is many things to many people - perhaps too many things to too many people.

9 HTTP Cookies: Standards, privacy, and politics

David M. Kristol

November 2001 **Transactions on Internet Technology (TOIT)** , Volume 1 Issue 2

Publisher: ACM 🔸 Request Permissions

Full text available: 📄Pdf (390.38
KB)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 302, Downloads (Overall): 3406, Citation Count: 11

How did we get from a world where cookies were something you ate and where "nontechies" were unaware of "Netscape cookies" to a world where cookies are a hot-button privacy issue for many computer users? This article describes how HTTP "cookies" work ...

Keywords: Cookies, HTTP, World Wide Web, privacy, state management

10 Trouble Management for Multimedia Services in Multi-Provider Environments

N. Agoulmine, D. Dragan, T. Gringel, J. Hall, E. Rosa, M. Tschichholz

March 2000 **Journal of Network and Systems Management** , Volume 8 Issue 1

Publisher: Plenum Press

Full text available: 📄Publisher
Site

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 1

As telecommunications and computers evolve, multimedia services are being increasingly deployed over a variety of organizational and technology domains. Customer requirements and the competitive market mean that the delivery of multimedia services at ...

Keywords: TINA, TMN, Trouble-Management, multimedia service management, quality-of-service

11 Security and identification indicators for browsers against spoofing and phishing attacks

Amir Herzberg, Ahmad Jbara

September 2008 **Transactions on Internet Technology (TOIT)** , Volume 8 Issue 4

Publisher: ACM 🔸 Request Permissions

Full text available: 📄Pdf (3.67
MB)

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 591, Downloads (Overall): 1752, Citation Count: 1

In spite of the use of standard Web security measures (SSL/TLS), users enter sensitive information such as passwords into fake Web sites. Such fake sites cause substantial damages to individuals and corporations. In this work, we identify several vulnerabilities ...

Keywords: Human-computer interaction, Web spoofing, phishing, secure usability

12 Cybercrime, identity theft, and fraud: practicing safe internet - network security threats and vulnerabilities

Robert C. Newman

September 2006 **InfoSecCD '06:** Proceedings of the 3rd annual conference on Information security curriculum development

Publisher: ACM

Full text available: Pdf (123.56 KB)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 547, Downloads (Overall): 3887, Citation Count: 1

Computer networks and computer systems are experiencing attacks and threats from many areas. Threats are also extended to include the individual user's computer assets and resources. Information will be presented on the categories of security and privacy ...

Keywords: cybercrime, identity theft, internet fraud

13 Trickles: a stateless network stack for improved scalability, resilience, and flexibility

Alan Shieh, Andrew C. Myers, Emin Gün Sirer

May 2005 **NSDI '05: Proceedings of the 2nd conference on Symposium on Networked Systems Design & Implementation - Volume 2** , Volume 2

Publisher: USENIX Association

Full text available: Pdf (280.09 KB)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 39, Downloads (Overall): 76, Citation Count: 7

Traditional operating system interfaces and network protocol implementations force system state to be kept on both sides of a connection. Such state ties the connection to an endpoint, impedes transparent failover, permits denial-of-service attacks, ...

14 Alhambra: a system for creating, enforcing, and testing browser security policies

Shuo Tang, Chris Grier, Onur Aciicmez, Samuel T. King

April 2010 **WWW '10:** Proceedings of the 19th international conference on World wide web

Publisher: ACM

Full text available: Pdf (515.99 KB)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 166, Downloads (Overall): 166, Citation Count: 0

Alhambra is a browser-based system designed to enforce and test web browser security policies. At the core of Alhambra is a policy-enhanced browser supporting fine-grain security policies that restrict web page contents and execution. Alhambra requires ...

Keywords: cross-site scripting, web browser, web security

15 Cookies: A deployment study and the testing implications

Andrew F. Tappenden, James Miller

June 2009   **Transactions on the Web (TWEB)** , Volume 3 Issue 3

Publisher: ACM ☆ Request Permissions

Full text available: 🔲 Pdf (2.25 MB)

Bibliometrics: Downloads (6 Weeks): 38,   Downloads (12 Months): 350,   Downloads (Overall): 594,   Citation Count: 1

The results of an extensive investigation of cookie deployment amongst 100,000 Internet sites are presented. Cookie deployment is found to be approaching universal levels and hence there exists an associated need for relevant Web and software engineering ...

Keywords: Cookies, Internet browser, Web engineering, Web technologies, software testing

16 Privacy-preserving browser-side scripting with BFlow

Alexander Yip, Neha Narula, Maxwell Krohn, Robert Morris

April 2009   **EuroSys '09**: Proceedings of the 4th ACM European conference on Computer systems

Publisher: ACM ☆ Request Permissions

Full text available: 🔲 Pdf (497.92 KB)

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 115,   Downloads (Overall): 291,   Citation Count: 1

Some web sites provide interactive extensions using browser scripts, often without inspecting the scripts to verify that they are benign and bug-free. Others handle users' confidential data and display it via the browser. Such new features contribute ...

Keywords: information flow control, javascript, labels, web platforms

17 Dynamic pharming attacks and locked same-origin policies for web browsers

Chris Karlof, Umesh Shankar, J. D. Tygar, David Wagner

October 2007   **CCS '07**: Proceedings of the 14th ACM conference on Computer and communications security

Publisher: ACM ☆ Request Permissions

Full text available: 🔲 Pdf (504.43 KB)

Bibliometrics: Downloads (6 Weeks): 32,   Downloads (12 Months): 253,   Downloads (Overall): 1336,   Citation Count: 15

We describe a new attack against web authentication, which we call *dynamic pharming*. Dynamic pharming works by hijacking DNS and sending the victim's browser malicious Javascript, which then exploits DNS rebinding vulnerabilities and the name-based ...

Keywords: pharming, same-origin policy, web authentication

18 e-coupons: An Efficient, Secure and Delegable Micro-Payment System

Vishwas Patil, R. K. Shyamasundar

December 2005 **Information Systems Frontiers** , Volume 7 Issue 4-5

Publisher: Kluwer Academic Publishers

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 1

In this paper, we propose a new efficient and secure micro-payment scheme, named e-coupons, which can provide the users the facility of delegating their spending capability to other users or their own devices like Laptop, ...

Keywords: PayWord, SPKI/SDSI, TESLA, delegation, micro-payment, one-way hash function, security

19 Recovery guarantees for Internet applications

Roger Barga, David Lomet, German Shegalov, Gerhard Weikum

August 2004 **Transactions on Internet Technology (TOIT)** , Volume 4 Issue 3

Publisher: ACM Request Permissions

Full text available: Pdf (997.52 KB)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 85, Downloads (Overall): 2019, Citation Count: 6

Internet-based e-services require application developers to deal explicitly with failures of the underlying software components, for example web servers, servlets, browser sessions, and so forth. This complicates application programming, and may expose ...

Keywords: Exactly-once execution, application recovery, communication protocols, interaction contracts

20 Communications of the ACM: Volume 52 Issue 6

June 2009 Communications of the ACM

Publisher: ACM

Full text available: Digital Edition , Pdf (6.34 MB)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 27, Downloads (Overall): 1323, Citation Count: 0

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